

ABSTRACT OF THE DISCLOSURE

A node search method for searching for a service node for providing a service to a mobile node, in a mobile communication system including service nodes and the mobile node, each of the service nodes and the mobile node having a node storage unit configured to store addresses of service nodes. The node search method comprises transmitting a node search packet for searching for the service node from a search node to an address stored in the node storage unit of the search node, returning a node notice packet from at least one of a search packet reception node and a peripheral node, to the search node in response to the node search packet, detecting the service node on a basis of a returned node notice packet, and updating the node storage unit of the search node on a basis of a detected service node.